



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2014

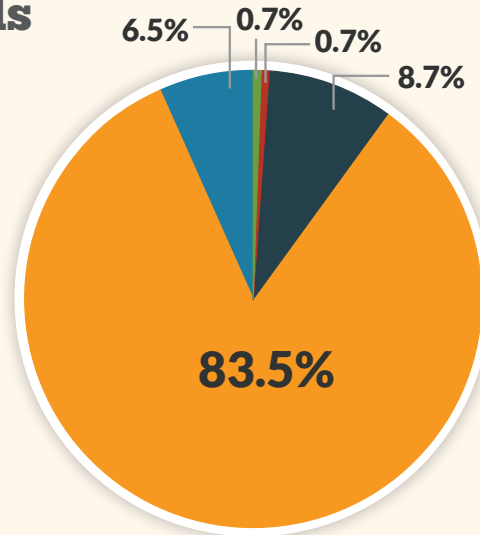
Penetrating	170
Severe	164
Moderate	2,175
Mild	20,915
Not Classifiable	1,637

Total - All Severities 25,061

Source: Defense Medical Surveillance System (DMSS), Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Center (AFHSB)

Prepared by the Defense and Veterans Brain Injury Center (DVBIC)

**Percentages may not add up to 100% due to rounding*



2014, as of Feb 17, 2017

Effective October 2015, the International Classification of Diseases was updated. With the improved information, more moderate traumatic brain injuries can be counted. Previously, some cases were categorized as “unclassifiable” severity due to more limited surveillance information. Also in 2015, the Assistant Secretary of Defense clarified the TBI case definition. A subsequent review found that some of the remaining “unclassifiable” cases were likely moderate TBI. This change also will contribute to higher counts of moderate TBI surveillance cases.

Worldwide numbers represent medical diagnoses of TBI that occurred anywhere U.S. forces are located including the continental United States since 2000.

Concussion/Mild TBI is characterized by the following: Confused or disoriented state which lasts less than 24 hours; or loss of consciousness for up to 30 minutes; or memory loss lasting less than 24 hours. Excludes penetrating TBI. A CT scan is not indicated for most patients with a Mild TBI. If obtained, it is normal.

Moderate TBI is characterized by the following: Confused or disoriented state which lasts more than 24 hours; or loss of consciousness for more than 30 minutes, but less than 24 hours; or memory loss lasting greater than 24 hours but less than seven days; or meets criteria for Mild TBI except an abnormal CT scan is present. Excludes penetrating TBI. A structural brain imaging study may be normal or abnormal.

Severe TBI is characterized by the following: Confused or disoriented state which lasts more than 24 hours; or loss of consciousness for more than 24 hours; or memory loss for more than seven days. Excludes penetrating TBI. A structural brain imaging study may be normal but usually is abnormal.

Penetrating TBI, or open head injury, is characterized by the following: A head injury in which the scalp, skull and dura mater (the outer layer of the meninges) are penetrated. Penetrating injuries can be caused by high-velocity projectiles or objects of lower velocity such as knives, or bone fragments from a skull fracture that are driven into the brain.

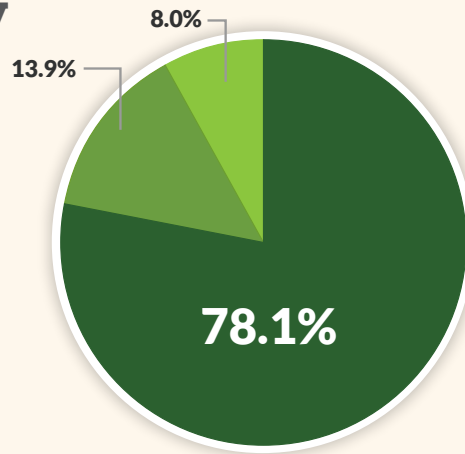


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2014

Active	11,466
Guard	2,036
Reserve	1,180

Total - Army 14,682



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Service	Component	Severity	Diagnosed
Army	Active	Penetrating	74
		Severe	74
		Moderate	1,074
		Mild	9,295
		Not Classifiable	949
	Guard	Penetrating	16
		Severe	12
		Moderate	121
		Mild	1,741
		Not Classifiable	146
	Reserve	Penetrating	3
		Severe	5
		Moderate	77
		Mild	967
		Not Classifiable	128

2014, as of 17 Feb, 2017

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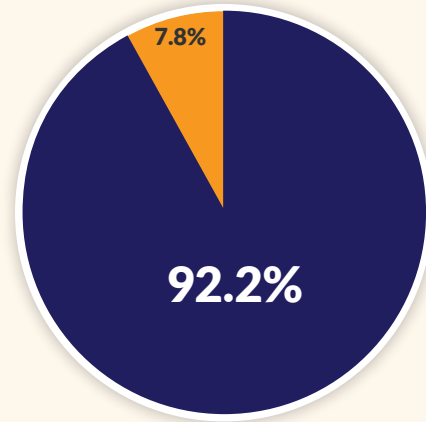


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2014

Active	3,019
Reserve	255

Total - Navy 3,274



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2014, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	21
		Severe	18
		Moderate	298
		Mild	2,559
		Not Classifiable	123
	Reserve	Penetrating	2
		Severe	2
		Moderate	14
		Mild	227
		Not Classifiable	10

2014, as of 17 Feb, 2017

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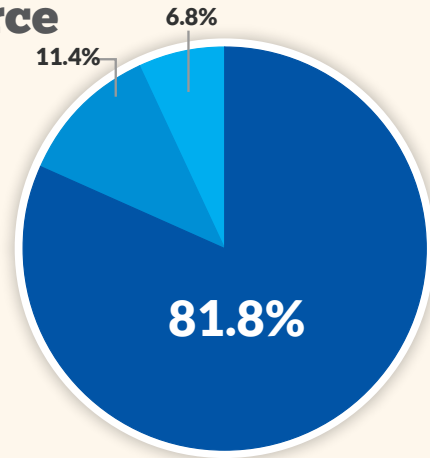


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2014

■ Active	3,001
■ Guard	419
■ Reserve	250

Total - Air Force **3,670**



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2014, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	24
		Severe	17
		Moderate	216
		Mild	2,648
		Not Classifiable	96
	Guard	Penetrating	1
		Severe	3
		Moderate	27
		Mild	374
		Not Classifiable	14
	Reserve	Penetrating	2
		Severe	2
		Moderate	12
		Mild	223
		Not Classifiable	11

2014, as of 17 Feb, 2017

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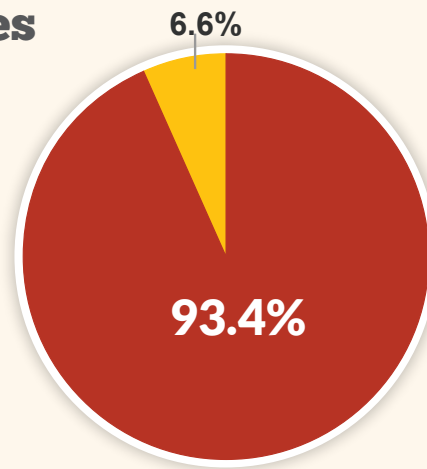


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2014

Active	3,210
Reserve	225

Total - Marines 3,435



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2014, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	25
		Severe	29
		Moderate	313
		Mild	2,692
		Not Classifiable	151
	Reserve	Penetrating	2
		Severe	2
		Moderate	23
		Mild	189
		Not Classifiable	9

2014, as of 17 Feb, 2017

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Branch (AFHSB)

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